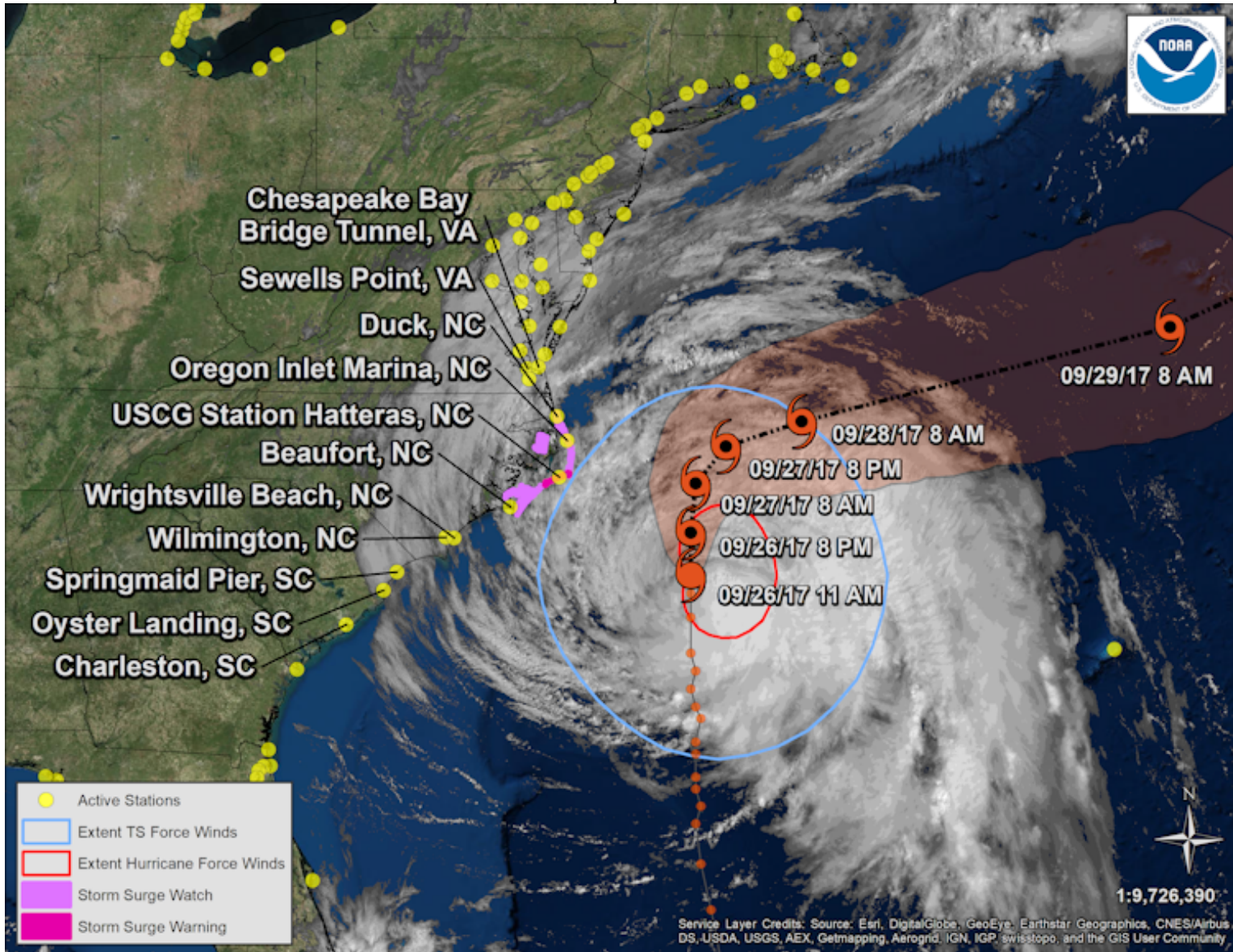




Hurricane MARIA QuickLook
Posted: 12:00 EDT 09/26/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/26/2017 12:00 EDT, water levels along the Atlantic coast from Charleston, SC to the entrance of the Chesapeake Bay are slightly elevated and range between 0.35 and 2.20 feet above normal tide levels.

Winds range from 10 to 20 knots along the North Carolina coast with gusts reaching as high as 40 knots in some areas along the Outer Banks. Barometric pressure has started to rebound along the South Carolina coast, but

continues to slowly fall across North Carolina.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please see Coastal Inundation Dashboard.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: AC

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

Hurricane Maria Advisory Number 42

NWS National Hurricane Center Miami FL

1100 AM EDT Tue Sep 26 2017

...TROPICAL-STORM-FORCE WINDS NEARING THE NORTH CAROLINA OUTER BANKS...

SUMMARY OF 1100 AM EDT...1500 UTC...INFORMATION

LOCATION...33.6N 73.1W

ABOUT 175 MI...285 KM SE OF CAPE HATTERAS NORTH CAROLINA

MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H

PRESENT MOVEMENT...N OR 360 DEGREES AT 7 MPH...11 KM/H

MINIMUM CENTRAL PRESSURE...971 MB...28.68 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

A Storm Surge Warning has been issued from Ocracoke Inlet to Cape Hatteras.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Storm Surge Warning is in effect for...

* Ocracoke Inlet to Cape Hatteras

A Tropical Storm Warning is in effect for...

* Bogue Inlet to the North Carolina/Virginia border

* Albemarle and Pamlico Sounds

A Storm Surge Watch is in effect for...

* Cape Lookout to west of Ocracoke Inlet

* North of Cape Hatteras to Duck

A Storm Surge Warning means there is a danger of life-threatening inundation, from rising water moving inland from the coastline in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov. This is a life-threatening situation. Persons located within these areas should take all necessary actions to protect life and property from rising water and the potential for other dangerous conditions. Promptly follow evacuation and other instructions from local officials.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Storm Surge Watch means there is a possibility of life-threatening inundation, from rising water moving inland from the coastline in the indicated locations. For a depiction of areas at risk, please see the National Weather Service Storm Surge Watch/Warning Graphic, available at hurricanes.gov.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT (1500 UTC), the center of Hurricane Maria was located near latitude 33.6 North, longitude 73.1 West. Maria is moving toward the north near 7 mph (11 km/h), and this general motion with some decrease in forward speed is expected through tonight. A turn toward the north-northeast is expected on Wednesday. On the forecast track, the center of Maria will pass east of the coast of North Carolina during the next couple of days.

Maximum sustained winds are near 75 mph (120 km/h) with higher gusts. Gradual weakening is forecast during the next couple of days, and Maria is forecast to become a tropical storm within the next day or so.

Maria is a large hurricane. Hurricane-force winds extend outward up to 105 miles (165 km) from the center and tropical-storm-force winds extend outward up to 240 miles (390 km). NOAA buoy 41025 located about 15 miles southeast of Cape Hatteras recently reported a sustained wind of 39 mph (63 km/h) with a wind gust to 49 mph (80 km/h).

The latest minimum central pressure estimated from reconnaissance aircraft data is 971 mb (28.68 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected within the warning area beginning this afternoon.

STORM SURGE: The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. The water is expected to reach the following heights above ground if the peak surge occurs at the time of high tide...

Cape Lookout to Duck including the sound side of the Outer Banks...2 to 4 ft

Surge-related flooding depends on the relative timing of the surge and the tidal cycle, and can vary greatly over short distances. For information specific to your area, please see products issued by your local National Weather Service forecast office.

RAINFALL: Maria is expected to produce total rain accumulations of 1 to 2 inches over the Outer Banks of North Carolina through Wednesday.

SURF: Large swells generated by Maria are affecting much of the east coast of the United States. These swells are also affecting Bermuda, the Turks and Caicos Islands, and the Bahamas. These swells are likely to cause life-threatening surf and rip current conditions. Please consult products from your local weather office for more information.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.

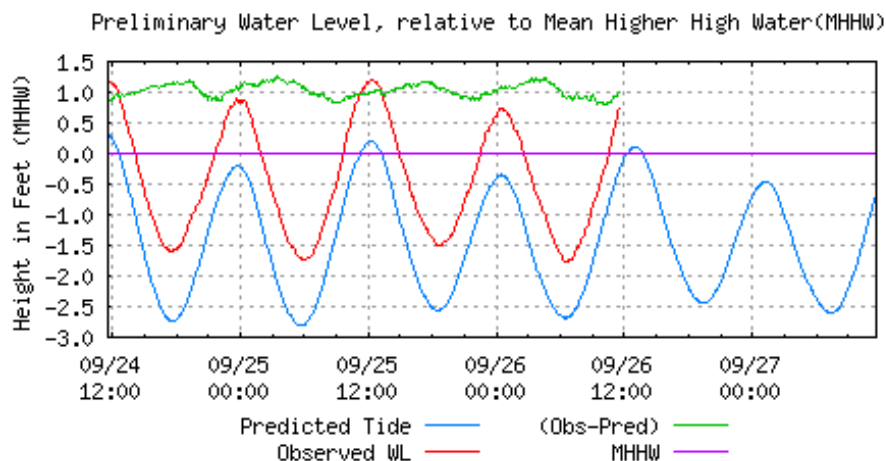
Next complete advisory at 500 PM EDT.

Forecaster Brown

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Sewells Point - Water Level](#), [Sewells Point - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Wilmington - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Charleston, Cooper River Entrance - Water Level](#), [Charleston, Cooper River Entrance - Barometric](#), [Charleston, Cooper River Entrance - Winds](#)

NOAA/NOS/CO-OPS 8656483 Beaufort, NC



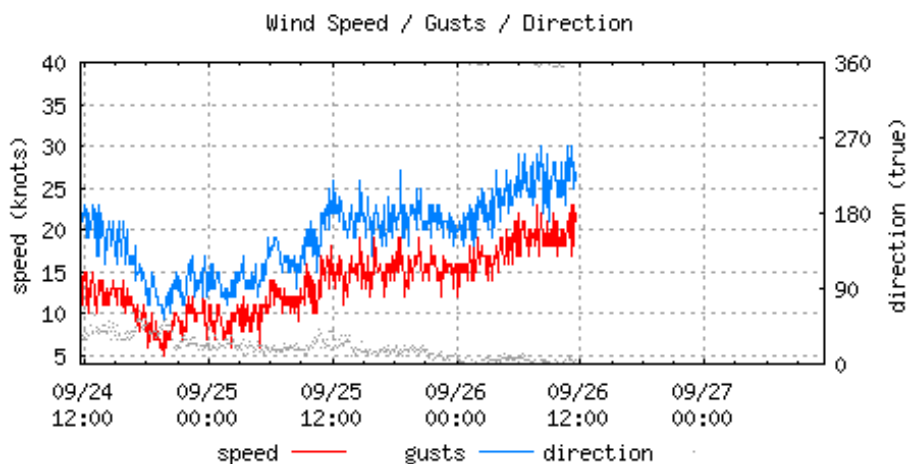
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: 0.72 ft. Predicted: -0.29 ft. Residual: 1.01 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 09/26/2017 13:01 (EDT), 0.11 ft.

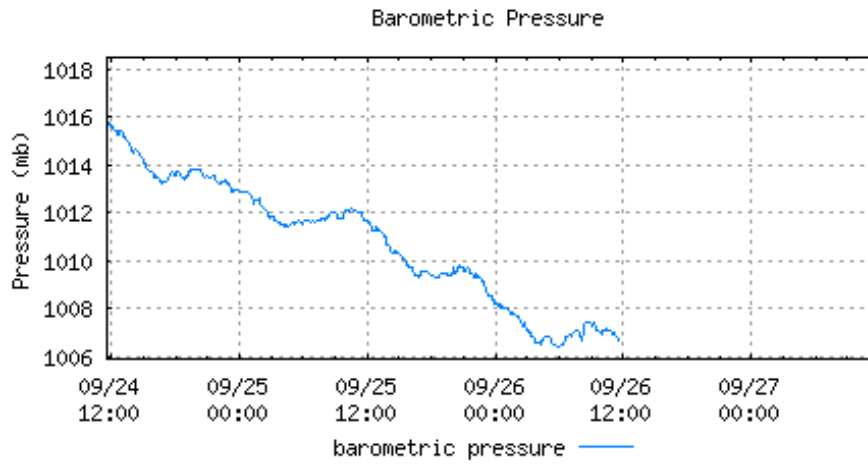
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Wind Speed: 21 knots Gusts: 26 knots Direction: 4° T

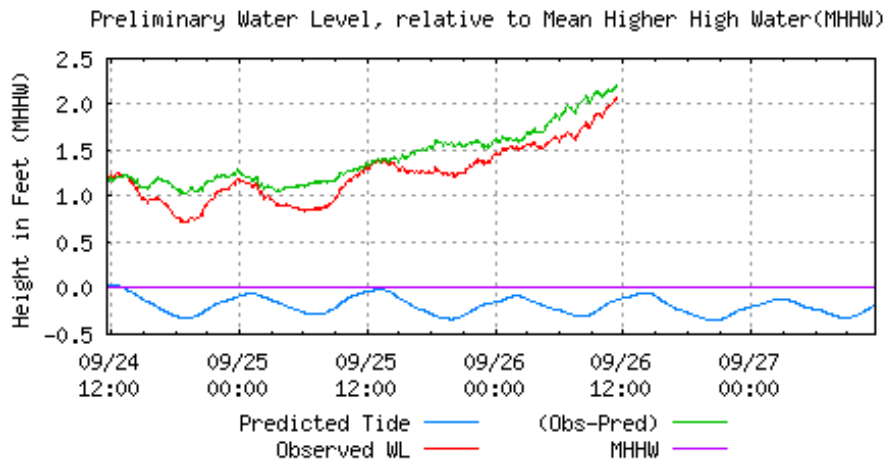
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Barometric Pressure: 1006.7 mb

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



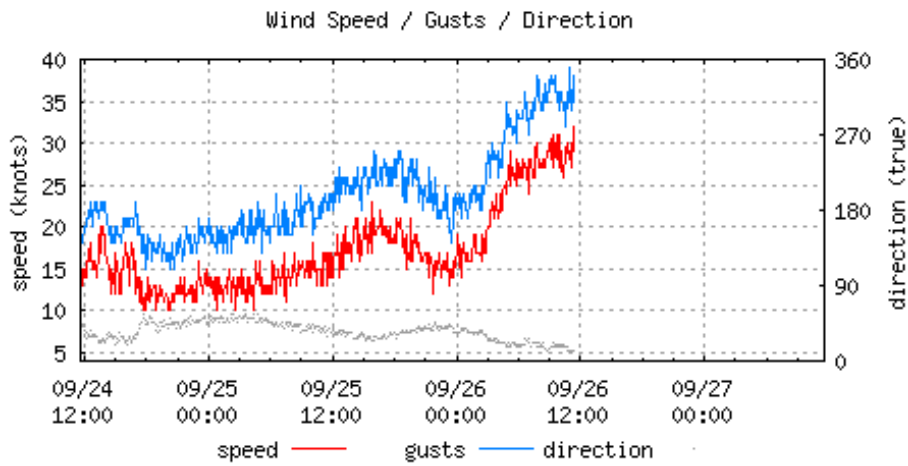
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: 2.09 ft. Predicted: -0.11 ft. Residual: 2.20 ft.

Historical Maximum Water Level: Oct 9 2016, 5.71 ft.

Next High Tide: 09/26/2017 14:03 (EDT), -0.05 ft.

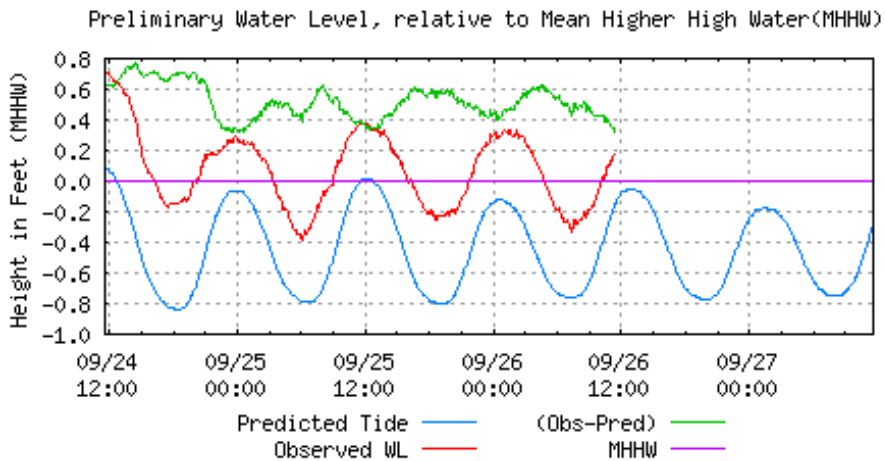
NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Wind Speed: 29 knots Gusts: 36 knots Direction: 11° T

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



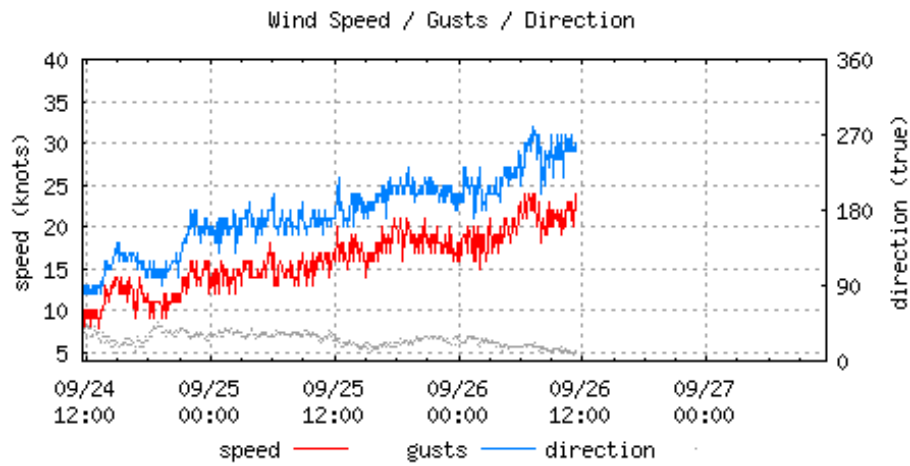
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: 0.18 ft. Predicted: -0.14 ft. Residual: 0.32 ft.

Historical Maximum Water Level: Aug 28 2011, 6.32 ft.

Next High Tide: 09/26/2017 12:53 (EDT), -0.05 ft.

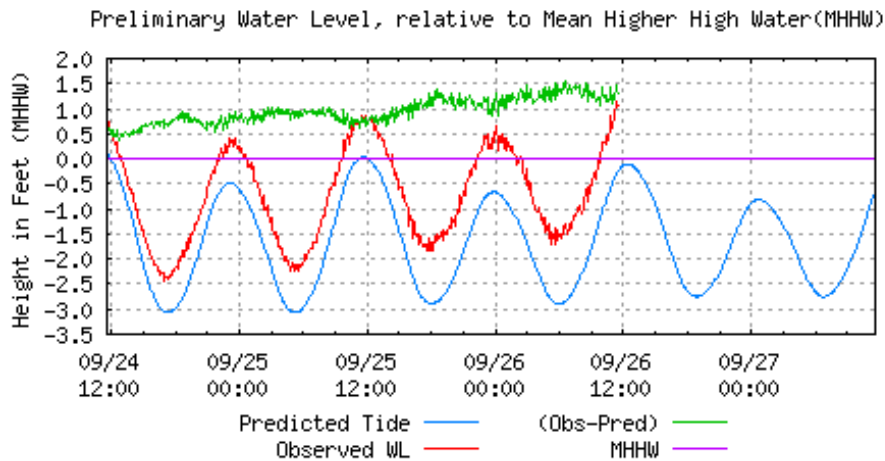
NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Wind Speed: 22 knots Gusts: 30 knots Direction: 8° T

NOAA/NOS/CO-OPS 8651370 Duck, NC



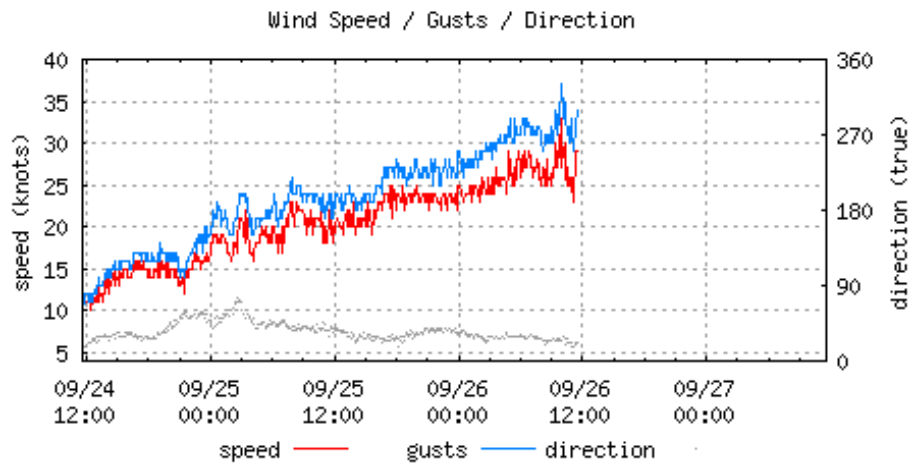
Last Observed Sample: 09/26/2017 11:36 (EDT). Data relative to MHHW

Observed: 1.14 ft. Predicted: -0.23 ft. Residual: 1.37 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 09/26/2017 12:24 (EDT), -0.11 ft.

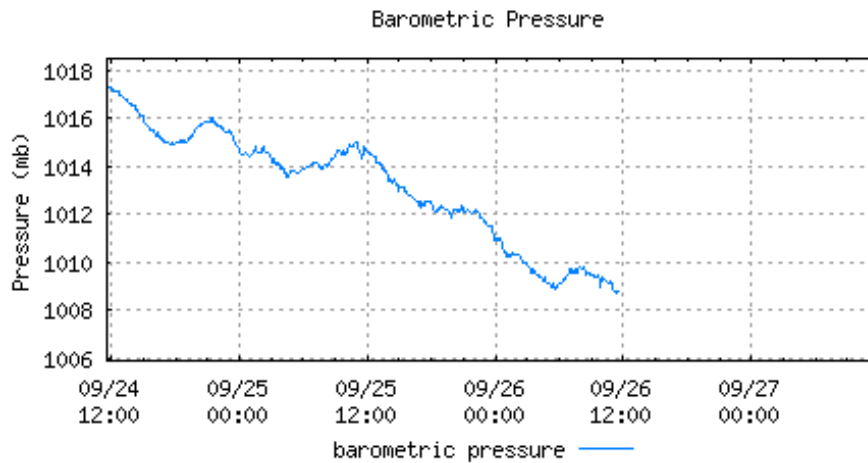
NOAA/NOS/CO-OPS 8651370 Duck, NC



Last Observed Sample: 09/26/2017 11:36 (EDT)

Wind Speed: 30 knots Gusts: 34 knots Direction: 20° T

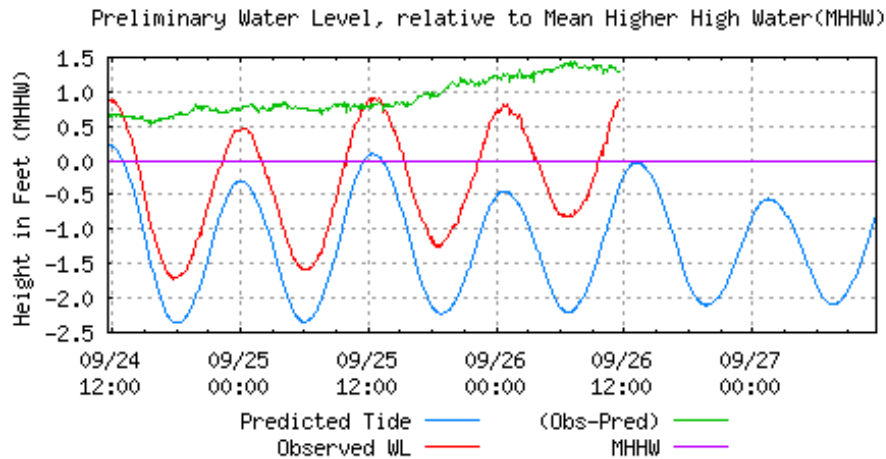
NOAA/NOS/CO-OPS 8651370 Duck, NC



Last Observed Sample: 09/26/2017 11:36 (EDT)

Barometric Pressure: 1008.6 mb

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



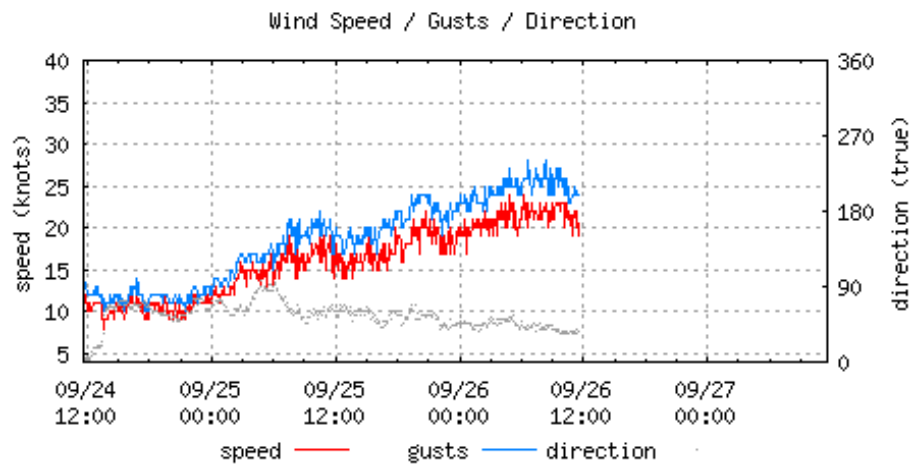
Last Observed Sample: 09/26/2017 11:36 (EDT). Data relative to MHHW

Observed: 0.96 ft. Predicted: -0.36 ft. Residual: 1.32 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/26/2017 13:10 (EDT), -0.03 ft.

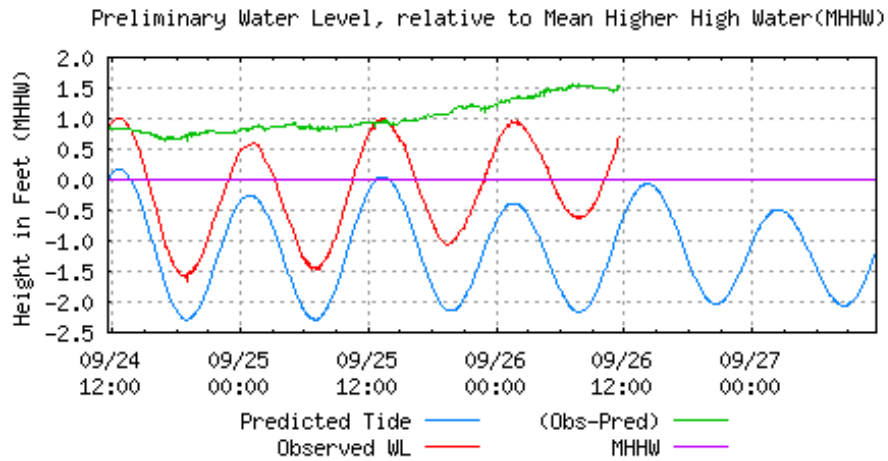
NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



Last Observed Sample: 09/26/2017 11:36 (EDT)

Wind Speed: 20 knots Gusts: 25 knots Direction: 40° T

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA



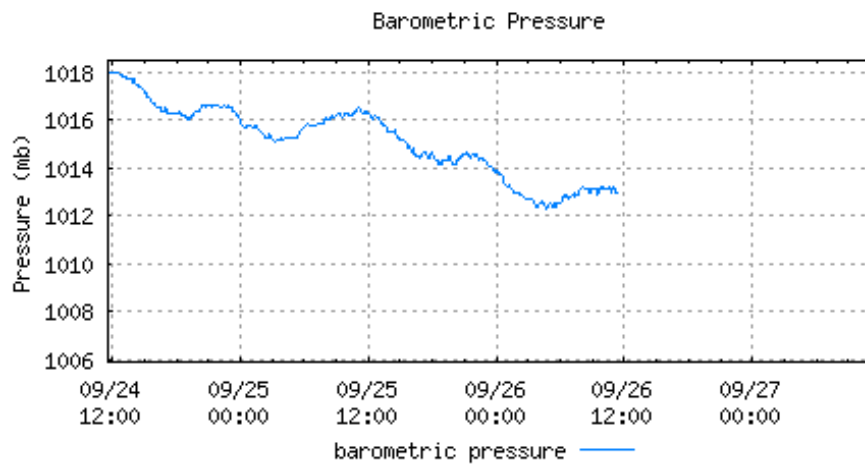
Last Observed Sample: 09/26/2017 11:36 (EDT). Data relative to MHHW

Observed: 0.74 ft. Predicted: -0.77 ft. Residual: 1.51 ft.

Historical Maximum Water Level: Aug 23 1933, 5.26 ft.

Next High Tide: 09/26/2017 14:09 (EDT), -0.07 ft.

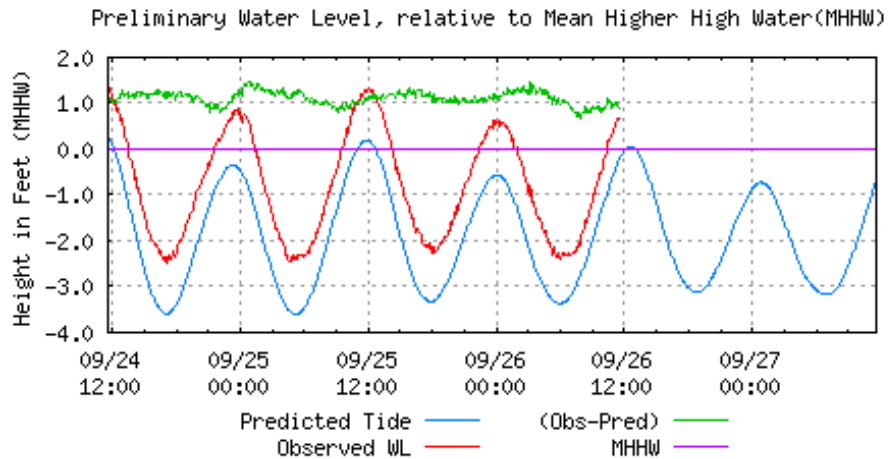
NOAA/NOS/CO-OPS 8638610 Sewells Point, VA



Last Observed Sample: 09/26/2017 11:36 (EDT)

Barometric Pressure: 1013.0 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



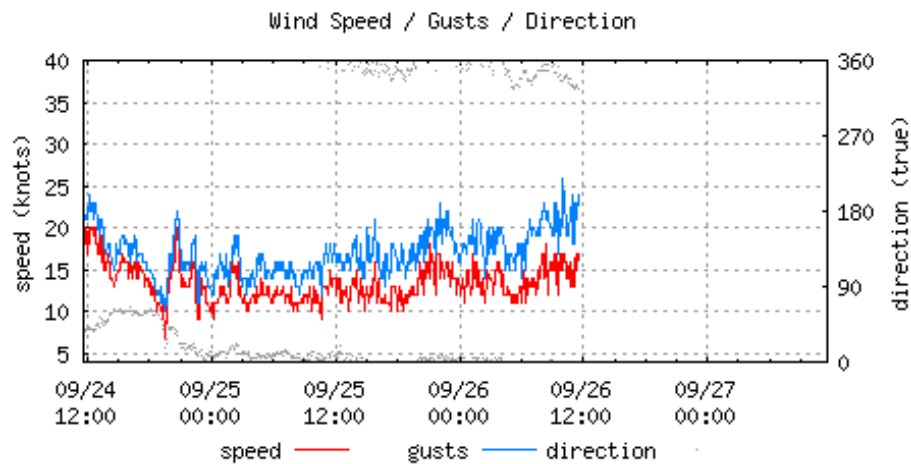
Last Observed Sample: 09/26/2017 11:36 (EDT). Data relative to MHHW

Observed: 0.72 ft. Predicted: -0.20 ft. Residual: 0.92 ft.

Historical Maximum Water Level: Oct 4 2015, 2.94 ft.

Next High Tide: 09/26/2017 12:37 (EDT), 0.05 ft.

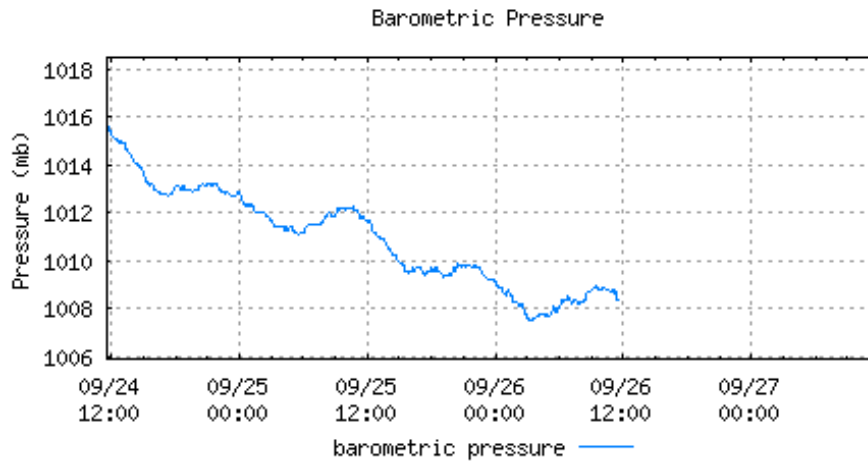
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 09/26/2017 11:36 (EDT)

Wind Speed: 18 knots Gusts: 24 knots Direction: 328° T

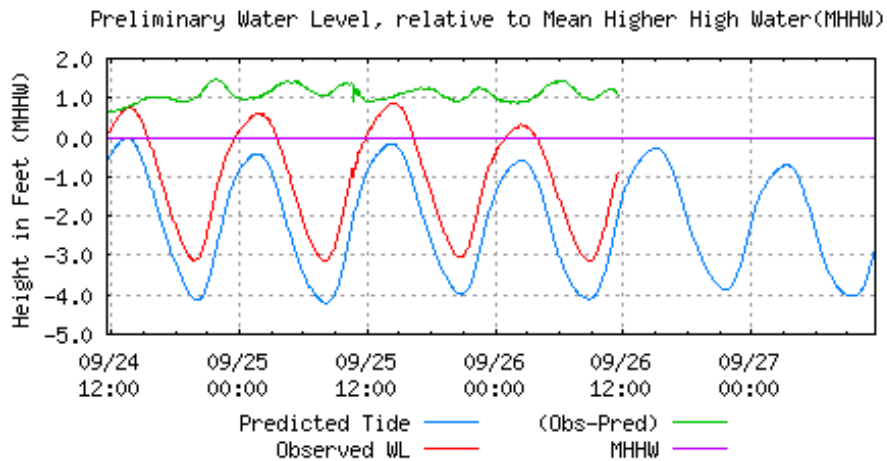
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 09/26/2017 11:36 (EDT)

Barometric Pressure: 1008.5 mb

NOAA/NOS/CO-OPS 8658120 Wilmington, NC



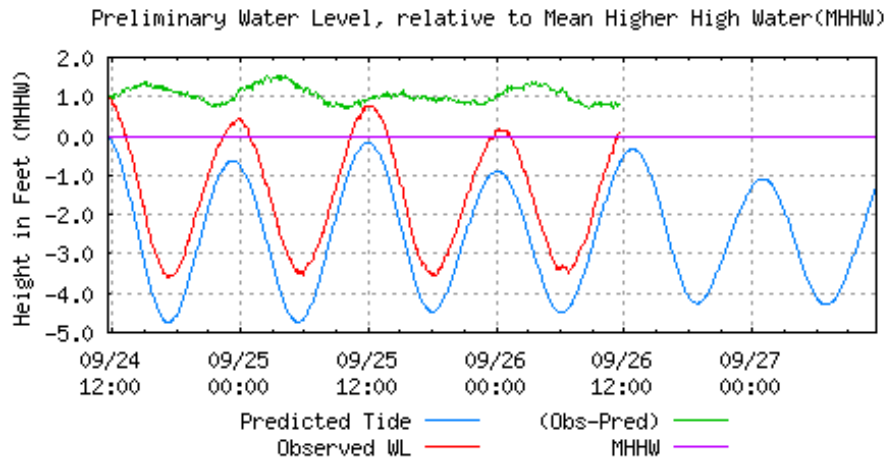
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: -0.92 ft. Predicted: -2.01 ft. Residual: 1.09 ft.

Historical Maximum Water Level: Oct 8 2016, 3.48 ft.

Next High Tide: 09/26/2017 15:04 (EDT), -0.27 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



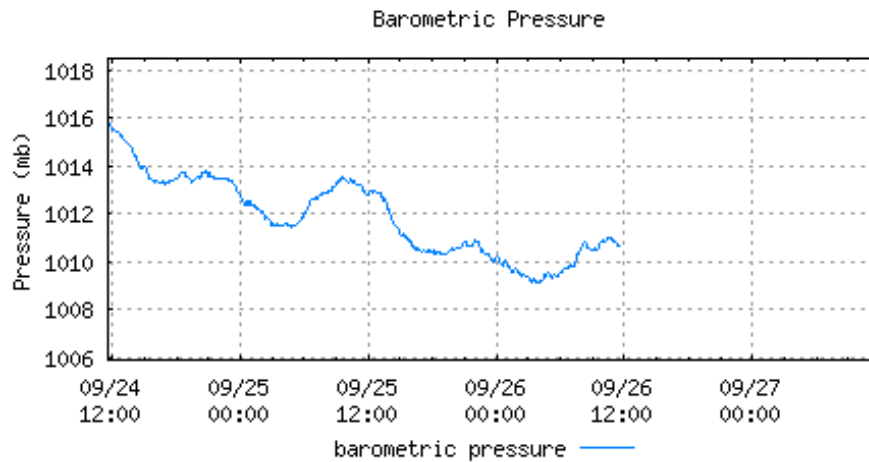
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: 0.09 ft. Predicted: -0.73 ft. Residual: 0.82 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 09/26/2017 12:48 (EDT), -0.33 ft.

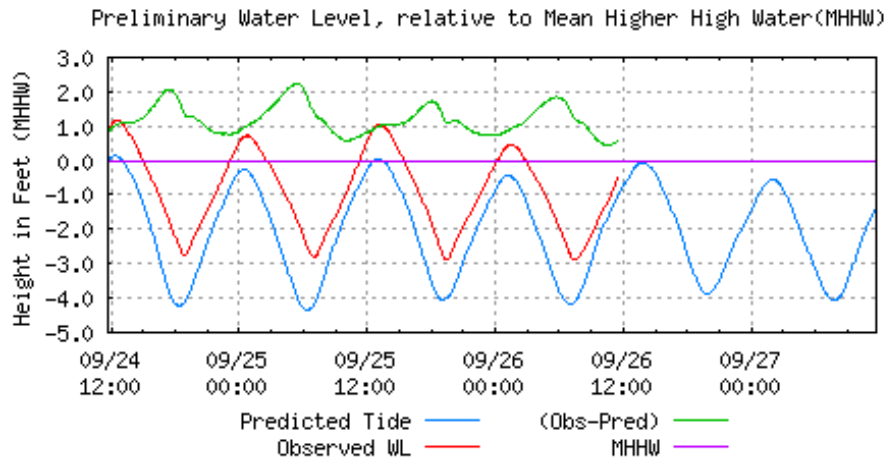
NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Barometric Pressure: 1010.7 mb

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC



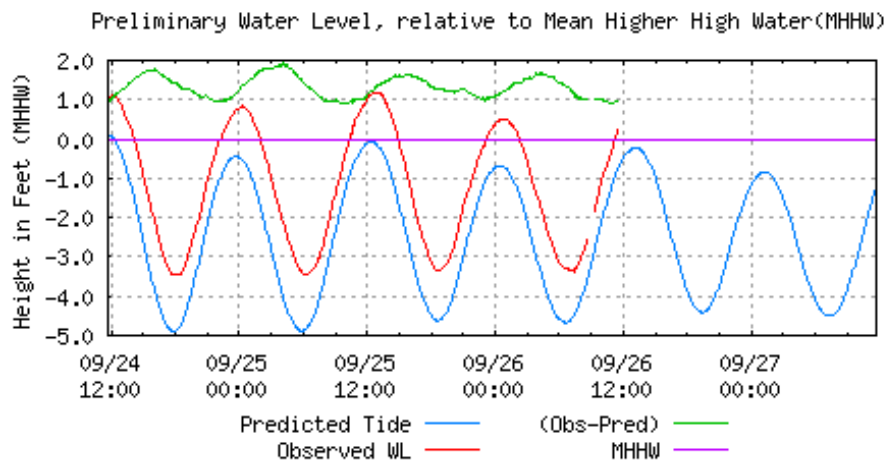
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: -0.48 ft. Predicted: -1.06 ft. Residual: 0.58 ft.

Historical Maximum Water Level: Oct 8 2016, 4.64 ft.

Next High Tide: 09/26/2017 13:49 (EDT), -0.05 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



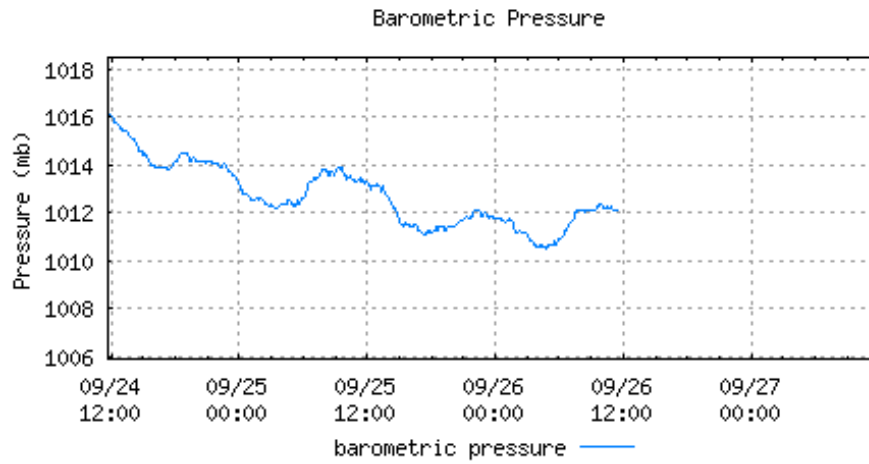
Last Observed Sample: 09/26/2017 11:30 (EDT). Data relative to MHHW

Observed: 0.22 ft. Predicted: -0.76 ft. Residual: 0.98 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 09/26/2017 13:09 (EDT), -0.22 ft.

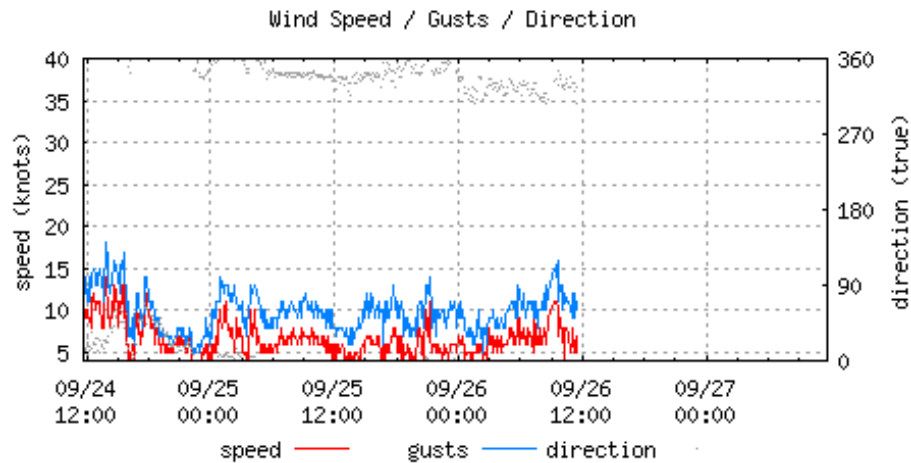
NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Barometric Pressure: 1012.1 mb

NOAA/NOS/CO-OPS 8665530 Charleston, Cooper River Entrance, SC



Last Observed Sample: 09/26/2017 11:30 (EDT)

Wind Speed: 5 knots Gusts: 10 knots Direction: 306° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8656483	Beaufort, NC	09/26/2017 11:30 (EDT)	0.72 ft	-0.29 ft	1.01 ft	1.21 ft
8654467	USCG Station Hatteras, NC	09/26/2017 11:30 (EDT)	2.09 ft	-0.11 ft	2.20 ft	2.09 ft
8652587	Oregon Inlet Marina, NC	09/26/2017 11:30 (EDT)	0.18 ft	-0.14 ft	0.32 ft	0.39 ft
8651370	Duck, NC	09/26/2017 11:36 (EDT)	1.14 ft	-0.23 ft	1.37 ft	1.15 ft
8638863	Chesapeake Bay Bridge Tunnel, VA	09/26/2017 11:36 (EDT)	0.96 ft	-0.36 ft	1.32 ft	0.96 ft
8638610	Sewells Point, VA	09/26/2017 11:36 (EDT)	0.74 ft	-0.77 ft	1.51 ft	0.99 ft
8658163	Wrightsville Beach, NC	09/26/2017 11:36 (EDT)	0.72 ft	-0.20 ft	0.92 ft	1.32 ft
8658120	Wilmington, NC	09/26/2017 11:30 (EDT)	-0.92 ft	-2.01 ft	1.09 ft	0.87 ft
8661070	Springmaid Pier, SC	09/26/2017 11:30 (EDT)	0.09 ft	-0.73 ft	0.82 ft	0.77 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/26/2017 11:30 (EDT)	-0.48 ft	-1.06 ft	0.58 ft	1.04 ft
8665530	Charleston, Cooper River Entrance, SC	09/26/2017 11:30 (EDT)	0.22 ft	-0.76 ft	0.98 ft	1.20 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce